

IN THE SPECIFICATION

1. On page 3, please replace lines 24-33 with the following:

The marker PGIol which is amplified using the primers: PGIol U and PGIol L

(PGIol U: 5'TCATTTGATTGTTGCGCCTG3' (SEQ ID NO:6) ;

PGIol L: 5'TGTACATCAGACCCGGTAGAAAA3' (SEQ ID NO:7))

- The marker PGIint which is amplified using the primers: PGIint U and PGIint L

(PGIint U: 5'CAGCACTAATCTTGCCTG3' (SEQ ID NO:8) ;

PGIint L: 5'CAATAACCCTAAAAGCACCTG3' (SEQ ID NO:9))

- The marker PGIUNT which is amplified using the primers: PGIol U and PGIint L:

(PGIol U: 5'TCATTTGATTGTTGCGCCTG3' (SEQ ID NO:10) ;

PGIint L: 5'CAATAACCCTAAAAGCACCTG3' (SEQ ID NO:11))

- The marker BolJon which is amplified using the primers: BolJon U and BolJon L:

2. Please replace page 4 with the following:

(BolJon U: 5'GATCCGATTCTTCTCCTGTTG3' (SEQ ID NO:12) ;

BolJon L: 5'GCCTACTCCTCAAATCACTCT3' (SEQ ID NO:13))

- The marker CP418 which is amplified using the primers: SG129 U and pCP418 L:

(SG129 U: cf Giancola et al, 2003 *Theor Appl. Genet.* (in press)

pCP418 L : 5'AATTCTCCATCACAGGACC3' (SEQ ID NO:14)

Another object of the present invention relates to the PGIol, PGIUNT, PGIint, BolJon and CP418 markers whose sequences follow:

PGIol R2000 marker:

TCATTTGATT GTTGCCTG TCGCCTGTT GTGTTATGAT GAATGAAACAG CAGTCATT 60
ACATGTGGTT AACTAACAG GGCTCCGGCT GTGCAAAAC ACATGGTTGC TGTCAAGCACT 120
AATCTTGCCTG TATGAATTG TGATTAATT TGTTTGTTC TGACTCTTC TTCATTGTT 180
GTTTCGTAC AATAAACCGA ATGTATAATC TTTTACAAA CTGAATTTC TACCGGGTCT 240
GATGTACA 248

(SEQ ID NO:1)

PGIUNT R2000 marker:

TCATTTGATT	GTTGCGCCTG	TCGCCTGTT	GTGTTATGAT	GAATGAACAG	CAGTCATT	60
ACATGTGGTT	AACTTAACAG	GGCTCCGCT	GTTGAAACAC	ACATGGTTGC	TGTCAGCA	120
AATCTTGC	GGTTTGTAC	TATGAATTG	TGATTAATT	TGTTTGT	TGACTCTTC	180
AATAAACCGA	ATGTATAATC	TTTACAAAC	TGAATTTC	ACCGGGTCTG	240	
ATGTACAATG	CTAGTCTCCA	TGTTCTGGG	GATCATGATT	TATTTCTAC	ATGTATTCA	300
ACAGTACAGA	AGAAAAGTGT	CAAAACTCTG	GATGTTTAA	TTTACAGTTA	GTGGAGAAGT	360
TCGGCATTGA	TCCGAACAAT	GCATTTGCAT	TTTGGGACTG	GGTGGTGG	AGGTACAGT	420
GTAAGTGCTT	GTAAATTG	TTGTATAAT	TTCTCGTCCA	TTTCCGCTT	CTTAGTGTAT	480
AACTGAAATT	CTTTGCA	TTGCAGTGCT	GTTGGAGTCT	TACCAATTGTC	TCTACAGTAT	540
GGCTTCTCTG	TGGTTGAGAA	GTACGGTACC	TTCTACTTTA	TCAGCCATCT	CATAAAATGT	600
CTTAGGCATA	TTCTTTCTAT	TTTATTTCCC	TCTTAATGAT	TTCTCTTT	TTTATTGCA	660
TTCCCGTTT	ATTTCAAA	GTGTTACTG	TCTCTAAATC	AAGAAGAAC	CTTCTTAGTA	720
GATCCAGCTG	ATATTCA	TTTTTAAAT	TGGACTGCAG	GTTTTAAAG	GGGAGCTTC	780
AGCATTGATA	AGCATTCCA	GTCCACACCG	TTTGAGAAGA	ATATACCGT	GAGTTGCATT	840
AGTTGTGTGA	TTATACAGTT	TTCTGTCTT	TTGCTATGT	CCATCAACAC	TAGAGATTG	900
TGAAGTTATT	AGTGTAGTCA	ACGCATAGGG	AGAGGTGATT	GGTGA	GGACGATTTC	960
AGGTGCTT	GGGTTATTG					979

(SEQ ID NO:2)

PGIint R2000 marker:

CAGCACTAAT	CTTGC	GAATTGTA	TTAAATTG	TTGTTGTA	CTCTTTCTTC	60
ATTGTTCGTT	TCG	AAACGAATG	TATAATCTT	TACAAACTGA	ATTTTCTACC	120
GGGTCTGATG	TACAATGCTA	GTCTCCATGT	TCTGGGGAT	CATGATTAT	TTTCTACATG	180
TATTCA	GTACAGAAGA	AAGTGTCAA	AACTCTGGAT	GTTTTAATT	ACAGTTAGT	240
GAGAAGTTG	GCATTGATCC	GAACAATGCA	TTTGCATTT	GGGACTGGGT	TGGTGGAAAGG	300
TACAGTGGT	AGTGTGTT	TATTTGGT	TATAAAATT	TCGTCCATT	CCGCTTGCTT	360
AGTGTATAAC	TGAAATTCTT	TTGCAGTTG	CAGTGCTGTT	GGAGTCTTAC	CATTGTCT	420
ACAGTATGGC	TTCTCTGTG	TTGAGAAGTA	CGGTACCTTC	TACTTTATCA	GCCATCTCAT	480
AAAATGTCTT	AGGCATATT	TTTCTATT	ATTCCCTCT	TAATGATT	TTCTTTTT	540
TATTGCATT	CCGTTTATT	TTCAAAAGTT	GTTACTGTCT	CTAAATCAAG	AAGAACCTT	600
CTTAGTAGAT	CCAGCTGATA	TTCA	TTTAAATTGG	ACTGCAGGTT	TTTAAAGGG	660
AGCTTCAAGC	ATTGATAAGC	ATTCCAGTC	CACACC	GAGAAGAATA	TACCCGTGAG	720
TTGCATTAGT	TGTGTGATTA	TACAGTTTC	TTGCTTTT	GCTATGTCCA	TCAACACTAG	780
AGATTGCTG	AGTTATTAGT	GTAGTCACG	CATAGGGAGA	GGTGA	TGACTTTGGA	840
CGATTTCA	TGCTTTAGGG	TTATTG				866

(SEQ ID NO:3)

3. On page 5, please replace lines 1-33 with the following:

BolJon R2000 marker:

GATCCGATTC	TTCTCCTGTT	GAGATCAGCT	CCAAACATCA	AACAAC	ACACAAATAT	60
CTTTACTTGC	AAATGGAAC	ATGACAAGAG	ATAGAAAATC	TTGCTCATAG	TATTGTACAA	120
GGGATAACAG	TGTAGAAAAC	AAACCGTCTG	TAAGATTT	TCCCTGATCC	TCTCACTTAA	180
CCAGTAGGCG	TTTTCACAT	TGAAGCGCAT	ATCTACTTTG	GTATTCACTG	AATAA	240
GAAAGCTGGT	AAACATGTGAA	GGATATACAA	GCATTGATAC	ACCAAGTAGT	CACAAACTAC	300
ATTATAAAGG	TCAGACCTT	GTTCACATT	TGGCCTCCAG	GACCACCGCT	TCTAGCAAAG	360
TTAAGCGTAA	CATGGTCTGC	ACGTATACAA	ATGAAAATGT	TTCTATCAA	ATCCTATAAA	420
ATAGAGCTCT	ATAACATTG	CGATACATAG	TTTC	TCTGCAAGTA	CTAAACACAT	480
ATACAAACAA	AACTATGCGA	ACAGATCAA	ACTACTACAG	AACACAGTTC	TATGACACTG	540
TCGATAGTAA	CATCCTCTGC	AAGTACCAAA	GAGATAGCAA	ATGAAA	GTAAACAAAT	600
CAAAATTCTA	AATTCTCCA	TCACAAGGAC	CTACAGAATA	GAGTTATCAT	ACATTTCT	660
GTAAATATT	CCATCAAAT	GACTAGAGAA	CAGAGTTCTT	ATAACATT	CTGTAAATGT	720
TCCAACAAA	CCACTACATA	GCAGAGTCT	TATAACATTG	TCTGTA	AAATCAA	780
ACCACTACAG	AACAAAGCTC	CTATAACATT	GTTTACACAA	AGTTCA	AATCTACAAA	840
CTTCCCCGT	AAATGAGCTT	AATATCACCC	AAAGATGTTT	CAATCAGATA	AAGAGTACGA	900
CATCGTTTG	AGATTAGAAC	AAACTGAAAC	TTACGTAGAG	TGATTGAGG	AGTAGGC	957

(SEQ ID NO:4)

CP418L R2000 marker:

AATTTCTCCA TCACAAGGAC CTACAGAATA GAGTTATCAT AACATTCT GTAAATATT 60
CCATCAAAAT GACTAGAGAA CAGAGTTCTT ATAACATTAT CTGTAAATGT TCCAACAAAA 120
CCACTACATA GCAGAGTTCT TATAACATTG TCTGTAAATG TCCAATCAAA ACCACTACAG 180
AACAAAGCTC CTATAACATT GTTTATACAA AGTTTCACTA AATCTACAAA CTTTCCCCGT 240
AAATGAGCTT AATATCACCC AAAGATGTTT CAATCAGATA AAGAGTAACG ACATCGTTTT 300
GAGATTAGAA CAAACTGAAA CTTACGTAGA GTGATTTGAG GAGTAGGCTC GTGCCAGCA 360
GAGCTAGCTC TCTCCTCCGC CTCATGAAGC ATCTGTTGCA CCTGAGACAA CCGTGACGAA 420
ACTTTCCGAT CACCGCCACC AGAATTGAC GCCGCGCATC GGAAGGATCC GAATCGGGAA 480
CTGAGTGAAC CCGAGCGATC CCGGGAGTGC GACGGAGCGA TGGGAAAAGA GAGTGGCACCG 540
ATTCGACGA AGAGTGGAAAG AGGAGAGGGT GGTGGATAAA CTCGCGTATG ATCAAGTTCG 600
TCATCGTCCT GATTGCCGCC ATTTTTTTG TCAGGGCGCT CTGTGGCTTA GAAGTTCCG 660
ATGTCAATGA AC 672

(SEQ ID NO:5)